WHAT IS CLAIMED:

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- A method for processing a print job, comprising:
 constructing a display list with a plurality of objects; and
 replacing two or more sequential said objects with a new object.
 - 2. The method of claim 1, wherein said replacing further includes constructing a masked indexed image.
- 3. The method of claim 2, further including constructing a look up table corresponding to values of said masked indexed image.
 - 4. The method of claim 1, further including determining whether said two or more sequential objects are opaque.
 - 5. The method of claim 1, further including determining whether said two or more sequential objects have regions in the form of a stencil.
- 6. The method of claim 5, further including determining whether said two or more sequential objects have a single color in said stencil.
 - 7. The method of claim 1, further including determining whether said two or more sequential objects have similar color intensities.
- 8. The method of claim 1, further including determining whether said two or more sequential objects have a same halftone screen.
- 9. A method for processing a print job, comprising:

 constructing a display list with a plurality of objects;

 determining whether two or more sequential said objects are combinable; and
 replacing said two or more sequential said objects with a masked indexed image.

- 10. The method of claim 9, further including constructing a look up table corresponding to values of said masked indexed image.
- 5 11. The method of claim 9, further including converting said masked indexed image to a uni-dimensional masked indexed image.
 - 12. The method of claim 11, further including providing a scalar value for said unidimensional masked indexed image.
- 13. The method of claim 9, further including constructing said masked indexed image with a region attribute substantially conforming to a merger of bounding boxes corresponding to said two or more sequential said objects.

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- 15 14. The method of claim 9, wherein said determining further includes setting a head pointer to one of said two or more sequential said objects and setting a tail pointer to another of said two or more sequential said objects.
- 15. A computer readable media having computer executable instructions for performing20 the steps recited in claim 9.
 - 16. A printer having a graphics engine with computer executable instructions stored in a memory accessible by the graphics engine for performing the steps recited in claim 9.
- 25 17. A method for processing a PDL print job in a printer, said PDL print job having at least two to-be-printed objects, comprising:

receiving an indication that said at least two to-be-printed objects have been presented;

constructing a display list having two sequentially arranged display list objects
thereon, said display list objects corresponding to said at least two to-be-printed objects;
determining whether said display list objects are combinable;

replacing said display list objects with a masked indexed image; and constructing a look up table having entries corresponding to values of said masked indexed image.

5 18. The method of claim 17, wherein said determining further includes examining whether said display list objects are one of opaque, have regions in a stencil form, have similar color intensities, have a same halftone screen, have bounding box sizes beneath a desired size, have bounding boxes in proximity to one another, and have no more different colors than a maximum number of colors an index allows.

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- 19. The method of claim 17, wherein said determining further includes setting a head pointer to one of said display list objects and setting a tail pointer to another of said display list objects.
- 20. The method of claim 17, further including constructing said masked indexed image with a region attribute substantially conforming to a merger of bounding boxes corresponding to said two sequential arranged display list objects.
- 21. The method of claim 17, further including converting said masked indexed image to a uni-dimensional masked indexed image and providing a scalar value therefor.
 - 22. A method for processing a print job, comprising:

constructing a display list with a plurality of objects; and

- constructing a bounding box for two or more sequential said objects for replacing said two or more sequential said objects with a new object, said bounding box having a region boundary therein masking a merged boundary of said two or more sequential said objects.
- 23. A method for processing a print job, comprising: constructing a display list with a plurality of objects; and

constructing a bounding box about two or more sequential said objects for replacing said two or more sequential said objects with a new object, said bounding box having a plurality of indexed image values, one of said indexed image values being used to represent an area outside a union of said two or more sequential said objects of said bounding box.

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